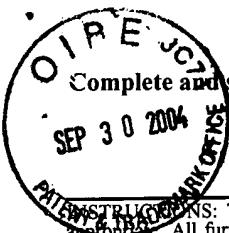


PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail**
Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where applicable. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

7590

09/03/2004

Supervisor, Patent Prosecution Services
 PIPER RUDNICK LLP
 1200 Nineteenth Street, N.W.
 Washington, DC 20036-2412
 10/01/2004 CNGUYEN1 00000163 10619425

01 FC:2501 665.00 OP
 02 FC:1504 300.00 OP

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,425	07/16/2003	Mark Edward Kane	3805-023-27 CONT	7325

TITLE OF INVENTION: METHOD AND SYSTEM FOR AUTOMATICALLY ACTIVATING A WARNING DEVICE ON A TRAIN

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$665	\$300	\$965	12/03/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
JULES, FRANTZ F	3617	246-295000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Piper Rudnick LLP
 2 Steven B. Kelber
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Quantum Engineering, Inc.

Orange Park, Florida

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
- ☒ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s):

- ☒ A check in the amount of the fee(s) is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 50-1442 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature James M. Heintz

Typed or printed name James M. Heintz

Date 9/30/04

Registration No. 41,828

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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PIPER RUDNICK^{LLP}
1200 NINETEENTH STREET, NW
WASHINGTON, DC 20036-2412
TELEPHONE: 202-861-3900
FACSIMILE: 202-223-2085

DOCKET NO.: 3805-023-27 CONT

ASSISTANT COMMISSIONER FOR PATENTS
PO BOX 1450
ALEXANDRIA, VA 22313-1450

Re: Serial No.: 10/619,425
Applicant(s): Mark Edward KANE, et al.
Filing Date: July 16, 2003
For: METHOD AND SYSTEM FOR AUTOMATICALLY ACTIVATING
A WARNING DEVICE ON A TRAIN
Group Art Unit: 3617
Examiner: Frantz F. Jules

SIR:

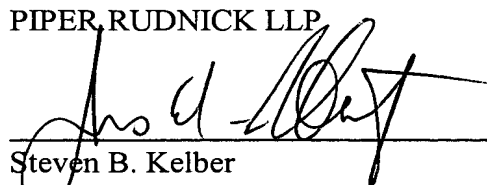
Attached hereto for filing are the following papers:

Fee Transmittal
Issue and Publication Fees Transmittal

Our check in the amount of \$ 965.00 is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R. 1.136 for any necessary extension of time to make the filing of the attached documents timely, please charge or credit the difference to Deposit Account No. 50-1442. Further, if these papers are not considered timely filed, then a request is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

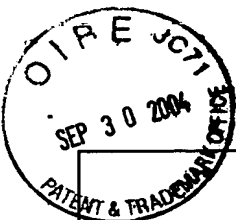
Respectfully submitted,

PIPER RUDNICK LLP



Steven B. Kelber
Attorney of Record
Registration No.: 30,073

James M. Heintz
Registration No.: 41,828



FEE TRANSMITTAL

Docket No.	3805-023-27 CONT
Serial No.	10/619,425
Filing Date	July 16, 2003
Inventor(s)	Mark Edward KANE, et al.
Group Art Unit	3617
Examiner	Frantz F. Jules

TOTAL AMOUNT OF PAYMENT \$965.00

1. ☐ Applicant claims small entity status.
- ☐ Charge any **UNDERPAYMENT** or credit any **OVERPAYMENT** in the indicated fees to Deposit Account No. 50-1442.
- ☐ Charge the indicated fees to Deposit Account No. 50-1442.

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		

FEE CALCULATION

1. BASIC FILING FEE

1051	130	2051	65	Surcharge-late filing fee or oath	
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English Specification	
1251	110	2251	55	1-mo. ext. of time	
1252	420	2252	210	2-mo. ext. of time	
1253	950	2253	475	3-mo. ext. of time	
1254	1480	2254	740	4-mo. ext. of time	
1255	2010	2255	1005	5-mo. ext. of time	
1401	330	2401	165	Notice of Appeal	

SUBTOTAL (1) \$0.00

2. EXTRA CLAIM FEES

1403	290	2403	145	Request for Oral Hearing	
1501	1330	2501	665	Utility/Reissue Issue Fee	665.00
1502	480	2502	240	Design Issue Fee	
1504	300	1504	300	Publication Fee	300.00

☐ Multiple Dependent Claims \$145 =

8001	3	8001	3	Advance Copy of Patent	
1460	130	1460	130	Petitions to the Commissioner	
1806	180	1806	180	IDS Submission	
8021	40	8021	40	Assignment recordation	
1801	770	2801	385	For Filing RCE	
1814	110	2814	55	Terminal Disclaimer	
1205	18	2205	9	*Reissue claims in excess of 20 and over original patent	

OTHER (indicate below):

SUBTOTAL (2) \$0.00

* or number previously paid, if greater; For Reissues, see above

SUBTOTAL (3) \$965.00

Name	Steven B. Kelber	Registration No.	30,073
Signature		Date	September 30, 2004
Name	James M. Heintz	Registration No.	41,828
		Telephone	202-861-3900